BRAIN RESEARCH

VOL. 896 NOS. 1,2 **CONTENTS** **30 MARCH 2001**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guide for Authors v

Themes and Topics ix

Announcements

Floyd E. Bloom appointed as Co-Editor-in-Chief of *Brain Research* xi

Brain Research Interactive Young Investigator Awards xii

Brain Research Interactive Young Investigator Awards – October 2000 xiii

Call for Papers – Gene Expression Patterns xiv

Interactive reports (Also accessible on the World Wide Web at **http://www.bres-interactive.com**)

Basic fibroblast growth factor and fibroblast growth factor receptors in adult olfactory epithelium
P.-e. Hsu, F. Yu, F. Féron, J.O. Pickles, K. Sneesby, A. Mackay-Sim (Australia) 188

Retrograde labelling of mitral/tufted cells in the mouse accessory olfactory bulb following local injections of the lipophillic tracer DiI into the vomeronasal amygdala
I. Salazar, P.A. Brennan (UK, Spain) 198

Research reports

Biocompatibility of silicon-based arrays of electrodes coupled to organotypic hippocampal brain slice cultures
B.W. Kristensen, J. Noraberg, P. Thiébaud, M. Koudelka-Hep, J. Zimmer (Denmark, Switzerland) 1

Interferon-γ-induced changes in synaptic activity and AMPA receptor clustering in hippocampal cultures
K.S. Vikman, B. Owe-Larsson, J. Brask, K.S. Kristensson, R.H. Hill (Sweden) 18

Modulation of oscillatory neural activities by cholinergic activation of interneurons in the olfactory center of a terrestrial slug
S. Watanabe, T. Inoue, M. Murakami, Y. Inokuma, S. Kawahara, Y. Kirino (Japan) 30

Effect of LPS on the permeability of the blood–brain barrier to insulin
H. Xaio, W.A. Banks, M.L. Niehoff, J.E. Morley (PR China, USA) 36

Limbic dopaminergic adaptation to a stressful stimulus in a rat model of depression
G. Yadid, D.H. Overstreet, A. Zangen (Israel, USA) 43

Enriched environment during development is protective against lead-induced neurotoxicity
J.S. Schneider, M.H. Lee, D.W. Anderson, L. Zuck, T.I. Lidsky (USA) 48

Neuroprotective effects of GDNF against 6-OHDA in young and aged rats
C.M. Fox, D.M. Gash, M.K. Smoot, W.A. Cass (USA) 56

Sciatic and vagal sensory inputs converge onto non-baroreceptive neurones of the rostral ventrolateral medulla
A. Zagon (UK) 64

Early release of cytochrome C and activation of caspase-3 in hyperglycemic rats subjected to transient forebrain ischemia
P.-A. Li, Q.-P. He, Y.-B. Ouyang, C.-L. Liu, B.-R. Hu, B.K. Siesjö (USA) 69

Identification of 5-HT_{3A} and 5-HT_{3B} receptor subunits in mammalian retinae: potential pre-synaptic modulators of photoreceptors
K. Pootanakit, W.J. Brunken (USA) 77

Interleukin-6 promotes post-traumatic healing in the central nervous system
K.R. Swartz, F. Liu, D. Sewell, T. Schochet, I. Campbell, M. Sandor, Z. Fabry (USA) 86

Haloperidol downregulates phospholipase A_2 signaling in rat basal ganglia circuits
C.S. Myers, M.A. Contreras, M.C.J. Chang, S.I. Rapoport, N.M. Appel (USA) 96

(Contents continued inside)

0006-8993(20010330)896:1/2;1-7

(contents continued)

Energy fuel utilization by fetal versus young rabbit brain: a ^{13}C MRS isotopomer analysis of [U-^{13}C]glucose metabolites
S. Haber, A. Lapidot (Israel) 102
Differential expression of cellular prion protein in mouse brain as detected with multiple anti-PrP monoclonal antibodies
T. Liu, T. Zwingman, R. Li, T. Pan, B.-S. Wong, R.B. Petersen, P. Gambetti, K. Herrup, M.-S. Sy (USA) 118
Glucocorticoids and serotonin alter glucocorticoid receptor (GR) but not mineralocorticoid receptor (MR) mRNA levels in fetal mouse hippocampal neurons, in vitro
P. Erdeljan, J.F. MacDonald, S.G. Matthews (Canada) 130
Interleukin-1β induces expression of neuropeptide Y in primary astrocyte cultures in a cytokine-specific manner: induction in human but not rat astrocytes
A. Barnea, J. Roberts, P. Keller, R.A. Word (USA) 137
Expression of mutant amyloid precursor proteins decreases adhesion and delays differentiation of Hep-1 cells
J.W. Kusiak, L.L. Lee, B. Zhao (USA) 146

Short communications
Fourth ventricular injection of CART peptide inhibits short-term sucrose intake in rats
H. Zheng, C. Patterson, H.-R. Berthoud (USA) 153
Oligodendrocyte killing by quinolinic acid in vitro
W. Cammer (USA) 157
Platelet secretion of β-amyloid is increased in hypercholesterolaemia
C.C.T. Smith, P.J. Hyatt, L. Stanyer, D.J. Betteridge (UK) 161
Potent, hydroxyl radical-scavenging effect of apomorphine with iron and dopamine perfusion in rat striatum
Y.-K. Chen, H.-C. Lin, J.-C. Liu, F.-J. Wan (Taiwan) 165
Involvement of prostanoid release in the mediation of UTP-induced cerebrovascular contraction in the rat
Z. Lacza, K. Káldi, K. Kövecs, C. Görlach, Z. Nagy, P. Sándor, Z. Benyó, M. Wahl (Germany, Hungary) 169
Antinociception induced by PAG-microinjected dipyrone (metamizol) in rats: involvement of spinal endogenous opioids
N. Hernández, H. Vanegas (Venezuela) 175
Decreased CRH mRNA expression in the fetal guinea pig hypothalamus following maternal nutrient restriction
K.S. Go, R. Lingas, M.B. Wheeler, D.M. Irwin, S.G. Matthews (Canada) 179
Low intensity spinal cord stimulation may induce cutaneous vasodilation via CGRP release
S. Tanaka, K.W. Barron, M.J. Chandler, B. Linderoth, R.D. Foreman (USA, Sweden) 183

Author index 204

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**